08/140,729

5658782

	CLASS (SUBCLASS)	19/2400g	
APPROVED	S	3	

SHEET 1 OF 42

54		102	150	198	246	294	342
AAC	Asn	GCT Ala	CGG Arg . 40	GCG Ala	GTC Val	ATG Met	TCG Ser
ACC	Thr	GGA Gly	CTG	GGC G1y 55	CAG Gln	CGC Arg	GCC Ala
GAG	Glu	CCC	TTC	GCG Ala	ACG Thr 70	CTG	GCC Ala
AAC	Asn 5	666 61y	CGC Arg	CTG	CGC Arg	ATG Met 85	66C 61y
AGC	Ser	GCC Ala 20	GCG Ala	GTG Val	AGC Ser	CGC	TCG Ser 100
AAG	Lys	GCG Ala	TGC Cys 35	666 61 y	CTG	CTC Leu	GTG Val
GAG	Glu	CCT	CGT	TCC Ser 50	AGC Ser	CTG	CTG
ATG	Met 1	666 61y	CGG	GTG Val	CTC Leu 65	ATG	AGC Ser
U		GCG Ala	GCA Ala	ACC Thr	666 61y	GAG Glu 80	TGC Cys
AGCGCC		CAG Gln 15	CGC Arg	CTC	CGC	GGC G1y	GTC Val 95
GTGT		GCT Ala	GGA G1y 30	CTG Leu	TTG	CCC	GTG Val
2992		AGC	GCG Ala	GTG Val	GCG	TTC	CTG
GGAG(GAC Asp	GCG Ala	CTG Leu	GCG Ala 60	GCC	CCG
ic T(CTT	ACC	GCG Ala	66C 61y	CTG Leu 75	CTG
CACCTCTAGC TCGGAGCGGC		TAC Tyr 10	666 Gly	CAA Gln	CTG	TAC	ATC Ile 90
CACC		GGC Gly	CCG Pro 25	CGC Arg	663 617	AC 3 Thr	ATC II.e

	ASS SUBCLASS	
APPROVED	g TO	DRAFTSMAN

SHEET 2 OF 42 390 438 486 534 582 630 678 GCG Ala GAC TAC Tyr 120 GTG Val GTG CAG Gln 200 ACT Thr GCC TTG Leu 135 AGC Ser ACG Thr CTT ACC GGC G1y 215 GTC GCC Ala TCC Ser 150 GAG Glu AAT Asn GTG ATA Ile CGT CAG Gln GTG Val TCC AAA Lys 165 GTC Val CCC ATC Ile GCC CTT CCC Pro CCC Pro 180 AAA Lys ATC Ile CTC ACC Thr GGC G1y 115 GTC TTT AAG Lys TAT Tyr 195 GGC Gly GCG Ala 130 CAG Gln CCT GAA Glu 210 CTG GAT Asp CTG TCG GCG Ala 145 CCT AAC Asn ACC Thr CAT His GCC CGT GGT Gly CCT Pro 160 AGA Arg GCA Ala ACC Thr GGG Gly AGT TCC GGG Gly GCC Ala 175 TAT Tyr GTA CTG GGA Gly CTC Leu 110 ACG Thr 190 TCG CTG AAT Asn TGC ACA Thr 125 CCA Pro GAC Asp GAC Asp GGA G1y 205 CGT AGC ACC Thr AAG Lys 140 GAG Glu CTC TTC TCT Ser GCC CTC ATC Ile CTG Leu 155 TTC GCT AGC Ser GAT GGC Gly ATC Ile AGC GGG Gly TCT Ser 170 GCA Ala TTT GAC CTC Leu 105 TTC Phe CTG AAC Asn GTT Val 185

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

FIG. 1C

SHEET 3 OF 42

726	774	822	870	918	996	1014
GTG Val	ATC Ile	TGG	AAG Lys 280	AAA Lys	GTT Val	TTC Phe
CTG	CTC	TCC Ser	AGC Ser	GGG G1y 295	ATT Ile	AGA Arg
GCT Ala 230	GAC Asp	GTG Val	GGA Gly	CTG	GGA G1y 310	TTC
TTT Phe	GAA Glu 245	CTG	GTT Val	AGC Ser	66A 61y	сса Рго 325
CTG	GGA Gly	GTG Val 260	CCT	ACC	CAT	AAC Asn
GTC Val	GAA Glu	ATG Met	TTC Phe 275	GTG Val	ATT Ile	AAA Lys
TTG	TCC	ACG	ATG	CTG Leu 290	GTT Val	cga Arg
GGA G1y 225	66C 61y	GCG Ala	ATC Ile	GTG Val	CAT His 305	ACA Thr
TTA	CTA Leu 240	GAG Glu	66c 61y	ATC Ile	66C 61y	TTC Phe 320
ATT Ile	AAA Lys	AAC Asn 255	GTG Val	ATC Ile	TTG	GTT Val
AAC Asn	AAG Lys	CTC Leu	CCT Pro 270	GAC Asp	ATA Ile	Phe
ATG Met	TTA	TCC Ser	GTA Val	AAA Lys 285	TCT Ser	TAT
GGG G1y 220	GCC Ala	AAT Asn	TAC Tyr	ATG Met	GCA Ala 300	ATT Ile
GAA Glu	GTG Val 235	TTC Phe	TGG Trp	GAA Glu	TTC Phe	CTT Leu 315
ATA Ile	CGA Gly	TTC Phe 250	ATG Met	GTG Val	ATC Ile	CCA Pro
GA3 Glu	TTA	CGT Arg	ATT Ile 265	ATC Ile	TAC Tyr	CTG

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CLASS SUBCLASS O.G. FIG. APPROVED DRAFTSMAN 20

SHEET 4 OF 42 1062 1110 1158 1206 1254 1302 1350 TCC AAT Asn 360 ACC TTC Phe ACC Thr CCA CTG Leu 440 TGC Cys AAC Asn GCC Ala 375 GTG Val TTC GTG Val GGG G1y ACC Thr GAG Glu ATT Ile GGG Gly CCG Ala 390 GGC Gly ATT Ile GCT GAA Glu ATC Ile GCC Ala CAG Gln 405 GCA Ala GCC Ala TTT Phe 340 ATT Ile CCC GTG Val GGA Gly GCA Ala 420 GAG Glu GCA Ala TGC Cys 355 CTC TGT GCA Ala GGA Gly CTG Leu 435 ACA Thr AAG Lys ATT 11e 370 CAG Gln AAC Asn ATC Ile GTT Val GCG Ala ATG Met TTT Phe TTC Phe 385 CTC AGT ATT Ile Phe ATG Met ATC Ile TTT AGG GAG Glu 400 TCC GCC Ala CCA Pro 335 GCC Ala TCT Ser AGC ATA Ile GCG Ala 415 ATT Ile GCC CCC Pro 350 ATC Ile GCA Ala ACC Thr 430 AAC Asn ACA Thr CTC AGG Arg 365 GGA Gly AAC Asn CTT GCC Ala CTC CTC ACC AAG Lys GAC Asp 380 CTC ACT Thr GTC GCG Ala ATG Met GGC G1y GAC CAA Gln 395 GTG GGG G1y CTG Leu 330 TCA GTG Val AAC Asn GCG Ala GGA Gly CTA Leu 410

GTG

Val

GGT Gly

ATT Ile

ATT Ile

GCT Ala 425

CTC

AGC Ser 345

.G. FIG.	ASS SUBCLASS	
APPROVED O	6	DPAFTSMAN

FIG. 1E

SHEET 5 OF 42

1398	1446	1494	1542	1590	1636	1680
GAC Asp	GGC Gly	GAA Glu	GAG Glu	GCC Ala 520		
GTG G Val A 455	GCA G Ala G	CAG G Gln G	GAG G	GTG G Val A		
ATT	GGT G1y 470	GAG Glu	TCT	CCC	TGATGGGGCT	
TGG	CTG	GGC G1y 485	AAG Lys	66C 61y	TGAT	
GAC Asp	GCC Ala	AAA Lys	TGC Cys 500	GCT Ala	CTG	
GTG Val	GAT	AAG Lys	AAC Asn	CCC Pro 515	GTT Val	ad.
GCT Ala 450	GGG G1γ	ACA	CCC Pro	AAC	TCG Ser 530	TTCA
CTG	GAG Glu 465	GCA Ala	ATC Ile	CAG Gln	GAG Glu	CCCTG
ATC Ile	GTG Val	AAG Lys 480	GCC Ala	CAC His	AAG Lys	TCCCACCCTG
CTG	AAT	CAG Gln	GAA Glu 495	ACA	TCC	
CCT	GTG Val	AAT Asn	GTG Val	GTG Val 510	GAA Glu	3CAGT(
CTG Leu 445	GTG	CTG	AAA Lys	CIG	CTG Leu 525	SCC A(
GAC	ACG Thr 460	CAC His	GTG Val	CCC Pro	GAA Glu	GCCTC
CAT	ACC	CAC His 475	GAG Glu	TCG	CCA	iG CTI
ACT	ACC	CTC	GCT Ala 490	ACA Thr	GCC Ala	GGGCTTTGGG CTTGCCTGCC AGCAGTGATG
CCT	CGG Arg	ATT Ile	CTT	GAG Glu 505	AGT	2999

APPROVED C	[<u>3</u>	FTSMAN
S. F.G.	55 5UBCLASS	Programme contact.

FIG. 2A

SHEET 6 OF 42

	54	102	150	198	246	294	342
	GAG Glu	AAA Lys	GTT Val	ACC Thr	AGA Arg	CTG	CTT
	GAA Glu	CTG Arg	GAG Glu	GTC Val 55	TAC Tyr	CTT	AGT Ser
	GGA Gly 5	GTC Val	AAG Lys	ACA	CCA Pro 70	GAA Glu	TCC Ser
	AAT Asn	GGA Gly	ACA Thr	CTC	CGA	GGG G1y 85	ATC Ile
	AGC Ser	CAG Gln 20	ATT Ile	CTG	CTC	CCT Pro	ATC Ile 100
	AAA Lys	CAG Gln	AAC Asn 35	GTG	ACC Thr	TTT Phe	CTT Leu
.	ACT Thr 1	TTC Phe	CAG Gln	TTT Phe 50	TTT Phe	TCC	CCA
	ATG	AGA Arg	GTG	GCT Ala	GGA G1y 65	TTC	TTA Leu
1	E	GAG Glu	AAA Lys	AAT Asn	CTT	TAC Tyr 80	GTC Val
	TAAAAT	ATG Met 15	AAG Lys	CGG Arg	ATC Ile	AAG Lys	CTG Leu 95
	AAAG	AGG Arg	AGG Lys 30	TTT	ACA Thr	GTC Val	ATG Met
	IAGA	GGC Gly	GCC Ala	CTG Leu 45	GGT Gly	GAA Glu	CAG Gln
	CCTCC	GGG G1y	TTG	TAC	GTG Val	CGG Arg	TTA
	3A CC	ATG	CTT Leu	AGT Ser	ATT Ile	TAC Tyr 75	ATG Met
	aaagaaga ccctcctaga aaagt	AAG Lys 10	ACA Thr	AAA Lys	GTC	AGC Ser	AGG Arg 90
	AAAC	CCC	CGC Arg 25	GTT Val	GCT	ATG Met	ATG Met

F. Subclass
APPHOVED BY DRAFTSMAN

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SHEET 7 OF 42

	390	438	486	534	582	630	678
	GAA Glu 120	GTG Val	AAG Lys	GAT Asp	GAA Glu	AAA Lys 200	AAT Asn
	TGG Trp	GTG Val 135	ACA	GCA Ala	GTA Val	TTT Phe	AAC Asn 215
	AAG Lys	GCT Ala	GGC Gly 150	GCT Ala	CTG	AGC Ser	ATA Ile
	666 Gly	ATT Ile	AAG Lys	ACA Thr 165	AAT Asn	AGA Arg	GTG Val
	TCA	ATC Ile	666 G1y	GTG Val	CCA Pro 180	AAG Lys	GCT Ala
	GCA Ala 115	ACC Thr	CCT Pro	CGA Arg	AAT Asn	GAG Glu 195	GGT G1y
*	AAG Lys	ACC Thr 130	CAT	GTA Val	TTA	TAT Tyr	GTG Val 210
confrontescontescontescontescontescontescontescontescontescontescontescontescontescontescontescontescontescont	AGT Ser	ACT Thr	ATC Ile 145	ATT Ile	ATG Met	AAC Asn	CCT
digital control of the control of th	GAT Asp	ATG Met	ATC Ile	AAA Lys 160	AAC Asn	ACC Thr	ACG
	CTA Leu	TAT Tyr	ATC Ile	GGC Gly	AGG Arg 175	AAA Lys	GAA Glu
	GCG Ala 110	TAT Tyr	GTC Val	GAA Glu	ATC Ile	TTT Phe 190	AAC Asn
	GCG Ala	GTC Val 125	ATT Ile	AGA Arg	TTG	GAG Gln	GCC Ala 205
	ATG Met	GTA Val	ATC Ile 140	CAC	GAC Asp	AAA Lys	GAG Gln
	GGA Gly	GCT Ala	ATA Ile	ATG Met 155	CTG	TTT Phe	ATC Ile
	ACA Thr	GGA Gly	GGC Gly	AAC Asn	TTC Phe 170	TGC Cys	CCC Pro
	GTC Val 105	TGC Cys	ATT Ile	GAA Glu	GCC Ala	GCC Ala 185	GTG Val

0. 50.	ASS SUBCLASS	
APPROVED	8	DRAFTSMAN

FIG. 2C

SHEET 8 OF 42	726	774	822	870	918	996	1014
	GTC Val	GTC Val	GGG G1 <i>y</i>	AGA Arg 280	CTG	666 Gly	CAC His
	CTG	GTT Val	CAG Gln	ATG Met	TTC Phe 295	GGG G1y	ATT Ile
	GAG Glu 230	CTA	GAA Glu	ATC Ile	CTC	ATT 11e 310	CTC
	GAG Glu	GGT G1y 245	AAG Lys	GCC Ala	ATT Ile	GTG Val	TTA Leu 325
	ACA	CTG	ATG Met 260	GAA Glu	GGT G1y	GGT Gly	66C 61y
	ATC Ile	GCC Ala	AAC Asn	AAC Asn 275	GTG Val	ATG Met	GTT Val
ان ا	CGA Arg	AAT Asn	GGA Gly	CTT Leu	CCC Pro 290	GAC Asp	ATT Ile
FIG. 2C	ACC Thr 225	GTC Val	ATT Ile	TCT Ser	GCC Ala	GAA Glu 305	GTC Val
H	CTT Leu	GGA G1y 240	GTG Val	GAT Asp	TAT Tyr	ATG Met	ACT Thr 320
	ACT	AAT Asn	TTT Phe 255	TTT Phe	TGG Trp	GAG	GTG Val
	GAG Glu	GTG Val	GGT Gly	TTC Phe 270	ATG Met	GTG Val	ACC Thr
	ATG Met	TCT Ser	TTC Phe	GAG Glu	ATA Ile 285	ATT Ile	TAC Tyr
	GCC Ala 220	GGA Gly	TGC Cys	AGA Arg	GTA Val	AAG Lys 300	ATG Met
	GAG Glu	CCA Pro 235	ATG Met	CTG	GCA Ala	GGG G1y	GCC Ala 315
	TCT Ser	GTT Val	TCC Ser 250	GCC Ala	GTA Val	GCT Ala	CTT Leu
	GTG Val	CCA	TTC	GAG Gln 265	CTG	ATT Ile	CAG Gln

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SHEET 9 OF 42

	1062	1110	1158	1206	1254	1302	1350
	AAC Asn	CTG Leu 360	CTG	CCC Pro	TTG	GGA Gly	GCA Ala 440
	AAA Lys	GCT Ala	TGC Cys 375	CTC	GCT Ala	TTC	GGG Gly
	CGG Arg	ACC	AAG Lys	GTG Val 390	GAG Glu	AAC Asn	ATT Ile
	ACA Thr	ATC Ile	TTC	TTC	TAT Tyr 405	CTG	AGT Ser
	GTA Val 340	CTC	ACC	AGA Arg	CTC	GAA Glu 420	GCC Ala
	TTG	GCA Ala 355	ATC Ile	ACC	GCC Ala	TTT Phe	GCT Ala 435
2000ACCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	TTC Phe	CAA Gln	CCC Pro 370	GTC Val	ACT	AAC Asn	ACA
	TAC	CTG	CTA	CGC Arg 385	666 G1y	AAC Asn	GCC Ala
diminimonentino	CTC Leu	TTG	ACC Thr	AAG Lys	GAT Asp 400	GTT Val	ACA
	CTC Leu 335	666 61y	GCC Ala	GAC Asp	ATG Met	CAA Gln 415	ATC Ile
	CCA Pro	GGA G1y 350	TCT Ser	GTG Val	AAC Asn	GCT Ala	AGC Ser 430
	TTG	ATT Ile	AGT Ser 365	66C 61y	ATT Ile	ATT Ile	ATC Ile
	GTC Val	TTT Phe	TCA	AAT Asn 380	ACC Thr	TTC	ACA
	ATC Ile	GTT Val	TCT Ser	AAC Asn	GCC Ala 395	ATT Ile	ATT Ile
	GTC Val 330	TGG Trp	ACC Thr	GAG Glu	GGA Gly	GCC Ala 410	ATT Ile
	GCA Ala	CCT Pro 345	GGG G1y	GAA Glu	GTA Val	GCT Ala	CAA Gln 425

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SHEET 10 OF 42	1398	1446	1494	1542	1590	1638	1680
	ACA Thr	GAC Asp	TCC Ser	AAC Asn	AAG Lys 520	ATC Ile	
	CTG Leu 455	GTG Val	GAC Asp	AAG Lys	ATG Met	CCC Pro 535	
	GTG Val	GCG Ala 470	GGA Gly	CTG	GAA Glu	AAA Lys	
	ATT Ile	ATC Ile	CTG Leu 485	GAA Glu	ATT Asn	GAG Glu	CTTT
	GTC Val	ATC Ile	GTA Val	CAT His 500	GAG Glu	ACT Thr	Æ
	ATG Met	CTC	ACC Asn	CGA Arg	GAA Glu 515	GAA Glu	TAAAGAAACA
[+N	ACT Thr 450	ACG Thr	ACC Thr	TCA	ATT Ile	AAT Asn 530	TAAA
FIG. 2E	GTC Val	ATC Ile 465	ACC	TTG	GTG Val	GAC Asp	K
EX	CTG	GAC Asp	ACC Thr 480	CAC	TCA	CAG Gln	TAGACTAACA
	66C 61y	GAC Asp	CGG Arg	GAG Glu 495	AAC Asn	GCA Ala	TAGA(
	GCG Ala	ACT	CTC Leu	GTG Val	GGT Gly 510	ATT Ile	ATG Met
	CAG Gln 445	CCC Pro	CGC	ATT Ile	ATG Met	CTG Leu 525	AAG Lys
	CCT	CTG Leu 460	GAT Asp	666 61y	GAA Glu	CAA	ACC Thr 540
	ATT Ile	66C 61y	TTG Leu 475	GCT Ala	GTT Val	TAT Tyr	GAA Glu
	GGA Gly	GTC Val	TTC	GGA G1 <i>y</i> 490	GAT Asp	CCA	AGT Ser
	GCT	TCT	TGG	CTG	AGA Arg 505	AAA Lys	GAC Asp

APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN

FIG. 3A

SHEET 11 OF 42

*******	54	102	150	198	246	294	342
	GCC Ala	CTT	GAC Asp	ATC Ile 55	CAC	AGG Arg	ACA Thr
	GGT Gly	CAT His	TGT Cys	GTC Val	ATC Ile 70	ATG Met	ATC Ile
	GAA Glu 5	AGT Ser	CTG	GGT Gly	CCC Pro	CTC Leu 85	TTA Leu
	ACG Thr	GAC Asp 20	CGC Arg	TTT Phe	TCT Ser	ATA Ile	AGC Ser 100
	TCT Ser	CCA Pro	CTG Leu 35	GTG Val	GCA Ala	GAT Asp	TCC Ser
	GCA Ala	ATG Met	66C 61y	ACG Thr 50	TTG Leu	GGG Gly	ATC Ile
1	ATG Met 1	CGA Arg	CTG	CTG	CGC Arg 65	CCA Pro	ATC Ile
	ACC	GTG Val	CAC His	ACC Thr	CTT Leu	TTC Phe 80	CTA Leu
	ŋ	GAA Glu 15	CGG Arg	CTC	CTT Leu	GCC Ala	GGT G1y 95
	TCCCAG	GTG Val	CAC His 30	CTG	GGG Gly	ATA Ile	CTG
	GCGTTC	CAG Gln	AAG Lys	CTG Leu 45	GGA Gly	TTA Leu	ATT Ile
	99	AAG Lys	CCC Pro	AAT Asn	TGT Cys 60	ATG	CTC
	BAGGAC	CCC	GAA Glu	AAG Lys	GTG Val	GTT Val 75	ATG Met
	G AAG	ATG Met 10	GAG Glu	GGG G1y	GCA Ala	GTG Val	AAA Lys 90
	GATAGTGCTG AAGAGGAGGG	AAT Asn	TCA Ser 25	CTG	GGA Gly	GAT Asp	CTA
	GATA	AAC Asn	66C G1y	AAG Lys 40	CTG	CCT Pro	ATG

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	390	438	4 8	534	582	630	678
	AGA Arg	GGG G1y 135	AAG Lys	GCC Ala	GCC Ala	CCA Pro	TTG Leu 215
	ACG Thr	CTG	AAG Lys 150	GAT Asp	CAA Gln	GCA Ala	CTG
	66C G1y	GTA Val	CTC	CTG Leu 165	GTC Val	GTT Val	TCT Ser
	TTG	GCA Ala	AAG Lys	AGC Ser	CTT Leu 180	CTG	GTC Val
	CGC Arg 115	GCT Ala	CCC Pro	TCC Ser	AAC Asn	GTC Val 195	GAA Glu
	66C 61y	ATT Ile 130	AAT Asn	GTG Val	GAA Glu	AAA Lys	GCT Ala 210
ı	AGT	ATC Ile	GGC Gly 145	GAA Glu	CCT Pro	AAG Lys	AGC
	GCT	ACC	CCA	GAT Asp 160	TTC	ACG	ACC
	AAG Lys	ACG Thr	CAT His	AAT Asn	CTC Leu 175	GTG Val	GCA Ala
	GCT Ala 110	TCC Ser	ATC Ile	AAG Lys	AAT Asn	ACA Thr 190	AAC Asn
	GAT Asp	ATG Met 125	GCT Ala	AAG Lys	CGA Arg	CAA Gln	GCC Ala 205
	CTG	TAC	TTG Leu 140	666 61y	ATT Ile	ATT Ile	GAG Glu
	66C G1y	TAT TYT	GTC Val	CCT Pro 155	CTT	CAG	GAG Glu
	TCA	GTG Val	CTG	666 Gly	GAC Asp 170	CAA Gln	GAC Asp
	TTG Leu 105	ATG Met	ATT Ile	CTG Leu	CTG	TTT Phe 185	CCA
	GGG G1y	GCC Ala 120	GTC Val	CAG Gln	TTC Phe	TGC Cys	CCG Pro 200

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SHEET 13 OF 42	726	774	822	870	918	996	1014
	AAG Lys	GGG Gly	GCC Ala	AAG Lys	CTG Leu 295	AGG Arg	CAC
×	ATC 11e 230	ATA Ile	CAG Gln	ATG Met	TGC Cys	GCT Ala 310	ATC Ile
	GTT Val	CTG Leu 245	GAT Asp	GTA Val	GCC Ala	GTT Val	ATC Ile 325
	ATG Met	GGT Gly	GGA G1y 260	ATT Ile	ATC Ile	GTG Val	CTC
	AAG Lys	TTA	ATG Met	GAG Glu 275	GGT Gly	GAA Glu	66C
	ACT	GTC	AAG Lys	AAT Asn	CTG Leu 290	TTA	ATA Ile
7 \1	GAG Glu 225	AAC Asn	666 61 y	TTG	CCC	GAC Asp 305	ATC
FIG. 3C	GAG Glu	ATG Met 240	ATG Met	ATT	TCT	AAG Lys	GTG Val 320
FIC	CCG	666 G1y	GCT Ala 255	AAC Asn	TAC	ATC Ile	ACA Thr
	GTG Val	GAT Asp	ATC Ile	TTC Phe 270	TGG	GCA Ala	GTA
	GAG Glu	AAG Lys	66C 61y	TTC Phe	ATG Met 285	ATT Ile	ATG Met
	ACT Thr 220	TTC Phe	TTT Phe	GAT Asp	ATC Ile	ATC Ile 300	TAC
	GTG Val	GAG Glu 235	GCT Ala	GTG Val	ATG Met	AAG Lys	ATG Met 315
	ACT	CTG	ATT Ile 250	ATG Met	ATC Ile	GGA Gly	666 61y
	GAG Glu	GGC Gly	TTC	CTG Leu 265	GTG Val	TGT Cys	CTG
	AAC Asn	AAG Lys	TTT Phe	AAG Lys	TTA Leu 280	ATC Ile	CAA Gln

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SHEET 14 OF 42

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1062	1110	1158	1206	1254	1302	1350
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AAC Asn	CTG	CTG Leu 375	CCT Pro	GTG Val	GGA Gly	GCG Ala
AAA Lys	GCC Ala	TGC	CTT Leu 390	GCG Ala	66A Gly	66C 61y
AGG Arg	ACT Thr	CGT	GTC Val	GAA Glu 405	GAT Asp	GTC Val
ACC Thr 340	ATC Ile	TTT Phe	TTC	TAT Tyr	CTG Leu 420	AGC Ser
GTG Val	TGG Trp 355	ACC Thr	AGA Arg	CTT	GTC Val	GCA Ala 435
GTA	GCT Ala	GTC Val 370	ACT	GCC Ala	GTT Val	CTG
TTT Phe	CAA	CCT	GTG Val 385	ACA Thr	GGT Gly	ACC
TAC	TTC Phe	TTG	CGT	GGT G1y 400	AAT Asn	GCC Ala
ATT Ile 335	ATT Ile	ACT	AAG Lys	GAT	ATG Met 415	ACA Thr
TTG	GGC G1y 350	GGA Gly	GAT	ATG	CAA Gln	CTC Leu 430
CCC	GCT	GCT Ala 365	ATT Ile	AAC Asn	GCC Ala	AGC Ser
CTC	TTT Phe	AGT Ser	GGG Gly 380	ATT Ile	ATA	GTA Val
TTT	CIT	TCC	CTG	ACC Thr 395	TTT Phe	ACT
ATC Ile 330	TCC	GCT Ala	AAT Asn	GCA Ala	ATC Ile 410	GTG Val
GGC G1y	TTC Phe 345	ACC Thr	GAA Glu	GGA G1y	GCC Ala	ATT Ile 425
666 61y	CCC	GGC G1y 360	GAA Glu	GTT Val	GCC Ala	CAG Gln

0.G. FIG.	SUBCLASS	
APPROVED.	30	DRAFTSMAN

FIG. 3E

SHEET 15 OF 42

2+ 10 CI 17711C	1398	1446	1494	1542	1590	1638	1686
	ACA Thr 455	GAC Asp	TCT	ACC Thr	ACT	ATT Asn 535	AAG Lys
	CTG	GTG Val 470	GAC Asp	GAT Asp	AAG Lys	TCT Ser	TGC Cys 550
	ATT Ile	GCT Ala	GGT G1 <i>y</i> 485	CTG	ACC	AAC Asn	GAA Glu
	CTC	GTG Val	GTG Val	GAG Glu 500	ATG	AGC Ser	GAT
	CIC	CTG	GTT Val	TCT Ser	GAA Glu 515	GAA Glu	GTA Val
	ATG Met 450	TTG	AAT Asn	AAG Lys	ATT Ile	AGG Arg 530	ATA Ile
1	ACC Thr	AGC Ser 465	GTC Val	TCC	GAT Asp	CAC His	GTC Val 545
3	GTC Val	ATC Ile	TCA Ser 480	CTC	GAA Glu	AAC Asn	TCT Ser
4	CTG	GAC Asp	ACT Thr	CAC His 495	CAT His	AAG Lys	AAC Asn
	GGG G1y	GAG Glu	AGA Arg	TAT Tyr	GTG Val 510	ATG Met	CAC
	GCC Ala 445	ACA Thr	ATG Met	GTC Val	CGA Arg	GAC Asp 525	GCA
	AGT Ser	CCA Pro 460	AGG Arg	ATA Ile	CAT His	GAT Asp	GCT Ala 540
	CCC	CTG	GAC Asp 475	66G G1y	GAG Gln	TAT Tyr	TAT Tyr
	ATC Ile	GGC Gly	CTG	GCT Ala 490	TCC Ser	ATT Ile	GTC Val
	AGT Ser	GTG Val	CTG	GGG G1y	GAC Asp 505	TCC Ser	TGT Cys
	GCC Ala 440	GCC Ala	TGG	TTT Phe	ATT Ile	CAA Gln 520	CAA Gln

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SHEET 16 OF 42

1734	1785
GAA Glu	Ą
GAG Glu	AATTCTTGAA
GTT Val 565	AATT
AGT Ser	A
TGC Cys	AGTCTCAGCA
GAC Asp	AGTC
GCC Ala	U
TCA Ser 560	TAAGGATATG
AAG Lys	TAAG
GGA Gly	AAA Lys
AAT Asn	GAG
GCC Ala	CGT
GCA Ala 555	AAA Lys
CTG	TGG Trp 570
ACT	CCT
GTA	GAA Glu

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TAAACTCCCC AGCGT

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

FIG. 44

SHEET 17 OF 42

SHEET IT OF	51	66	147	195	243	291	339
	TGG	GCG Ala	AAC Asn	CTA Leu 60	ATG	GGT Gly	ATT Ile
	AGT Ser	GCC Ala	AGC	ATT Ile	AGC Ser 75	ATT Ile	GTT Val
	CCG Pro 10	GTG	CAC His	GAA Glu	TCC	AAA Lys 90	GCT Ala
	TGC Cys	ACC Thr 25	GAA Glu	GGA Gly	ATA Ile	GGA G1y	ATT Ile 105
	GGA Gly	TCC	CGA Arg 40	CCT	ATT Ile	TCC	CTC
	AAA Lys	CTG	GTT Val	TTT Phe 55	TTA	GTA	ACT
- 1	AGG Arg	TTG	TTG	GCT Ala	CCA Pro 70	AAC Asn	ACC Thr
72. 57	GCG Ala 5	GTG Val	GTC Val	TTT Phe	TTG	TCC Ser 85	TGT Cys
1	CCG	TGG Trp 20	GGA Gly	TAC Tyr	ATT Ile	GAT Asp	TTC Phe 100
	AAA Lys	AAC Asn	ACA Thr 35	TTC Phe	ATC Ile	CTG	TAT Tyr
	666 61y	AAT	ACC	AAA Lys 50	CTC	GCA Ala	TAT Tyr
	ATG Met 1	AAG Lys	ATT Ile	GAG Glu	AAA Lys 65	GCT	GTG Val
	200	CTG	GGC Gly	CTA	CTG Leu	GTT Val 80	GTC Val
	ATAGCGGCGA CAGCC	TTC Phe 15	CTA	ACT	ATG Met	GGT G1y	GCT Ala 95
	00990	CGC Arg	GTG Val 30	TCA	GGG Arg	ACA Thr	CGC
	ATAG	AAG Lys	GTG Val	CTC Leu 45	ATG	ATT Ile	CTG

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unidapas Jiroskykapandiği	SHEET 18 OF 42	387	435	483	531	579	627	675	723
		AAA Lys	GTG Val 140	GTC Val	CCT	GTC Val	GTT Val	TGC Cys 220	ATT Ile
		CAG Gln	ACG Thr	CTT Leu 155	AAG Lys	GCT Ala	ATT Ile	TTT	CAA Gln 235
DRAFTSMAN		ACC Thr	AGT	AAT Asn	GTG Val 170	ACA	AAA Lys	GTC Val	GGA G1 y
ā		GTC	GTC Val	GAG Glu	GAA Glu	TTC Phe 185	TAC Tyr	ATT Ile	AAG Lys
		GGT Gly 120	GAA	CCT	GAA Glu	TCC	GAA Glu 200	TTG	GAA Glu
		CCT	CCT Pro	TTC	CGT	GAG Glu	AAG Lys	GGC Gly 215	GGA Gly
	801	AAG Lys	ACC Thr	ATG Met 150	AAG Lys	GAA Glu	ACA	CTG	ATG Met 230
	FIG. 4B	ATC Ile	AGC Ser	AAT	ACT Thr 165	ACA	AAA Lys	GTC Val	AAA Lys
	E	AGC	GGC Gly	AGG Arg	AAA Lys	ATG Met 180	AAC Asn	AAC Asn	GGA Gly
		GTG Val 115	ACA	ATC Ile	TAC Tyr	AAC Asn	AAG Lys 195	ATA Ile	ATT 11e
		GTG Val	AGG Arg 130	CTC	CAG Gln	ATG Met	TCC Ser	GGC G1y 210	GTC Val
		CTG	GCG Ala	GAT Asp 145	CAG Gln	GAG Glu	ATT Ile	GAT Asp	CTT Leu 225
		GTG Val	ATT	TTA Leu	TTT Phe 160	CCA Pro	GCA Ala	TCA	GGA Gly
		ATT Ile	GAA Glu	ATG Met	TGT Cys	GAT Asp 175	ACT	TAT Tyr	TTT Phe
		GGT G1y 110	GGT	GCC Ala	GCC Ala	AGC Ser	ACA Thr 190	ATG Met	GTC Val
		CTA	GTG Val 125	GAT Asp	CAG Gln	CCC Pro	ATG Met	GGC G1y 205	CTT

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771	819	867	915	963	1011	1059
GTT Val	GCT Ala	GGC Gly	GTA Val 300	CGA	TCT Ser	AAT Asn
ATC Ile	ATT Ile	CTG	ATT Ile	TTC Phe 315	ATC Ile	GAA Glu
AAA Lys 250	CTG	AAG Lys	TCC Ser	CCT	ATG Met 330	GAA Glu
ATG	TTC Phe 265	CGC Arg 280	CAC	AAC Asn	CTC	GCT Ala 345
ACC Thr	TTG	TTC	ATC Ile	AAG Lys	GCT Ala	TGT Cys
GCA Ala	ATT Ile	ATA Ile	GCA Ala 295	CGA	ACA Thr	CGC Arg
GAT Asp	GGT Gly	GAA Glu	CTT	GTA Val 310	CTC	TTC
AGT Ser 245	CTA	TGG	666 61y	GTC Val	CTC Leu 325	ACC Thr
TTG	CCA Pro 260	GAC Asp	ACT	ATA Ile	GCT Ala	GTC Val 340
GCT Ala	ATG Met	GAA Glu 275	CTG	TTC	CAG Gln	CCT
AAT Asn	TAT Tyr	GTT Val	GTC Val 290	TAT Tyr	GCC	CTG
TTC	TGT Cys	GAA Glu	ACA	ATA Ile 305	ATG	ACA Thr
TTC Phe 240	ATG Met	ATA Ile	GCC Ala	CTG	GGA G1y 320	GCA Ala
GAT Asp	ATC Ile 255	ATC Ile	ATG	CCG	ATG Met	TCA Ser 335
GTG Val	ATC Ile	AAG Lys 270	TAC Tyr	CTC	GCC Ala	AGT Ser
CTG	CAG Gln	GGG G1y	CTT Leu 285	ATT Ile	TTT Phe	TCC Ser

APPROVED O.G. FIG.
BY CLASS SURCLASS DRAFTSMAN

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SHEET 20 OF 42	1107	1155	1203	1251	1299	1347	1395
	GCA Ala	GTG Val 380	ATC Ile	GTG Val	GGC Gly	CTG	ACT Thr 460
	GGT Gly	GCG Ala	ATC Ile 395	GGC Gly	GTG Val	CTC	666 61y
	GTT Val	GCA Ala	CAG Gln	GCT Ala 410	GCC Ala	TGG Trp	TTT Phe
	CCC Pro	GTG Val	GGG G1y	GCT Ala	AGT Ser 425	GAC Asp	GCT Ala
	TTA Leu 360	GCA Ala	ATT	GGA Gly	CTG	GTC Val 440	GAT Asp
	CTG Val	GAA Glu 375	66C 61y	ATC Ile	GTG Val	GCT Ala	GGT G1y 455
\bigcirc	TTC	TAT Tyr	TTG Leu 390	AGC Ser	ATT Ile	ATT Ile	CTT
FIG. 4D	CGA Arg	CTC Leu	GAC Asp	GCC Ala 405	GTG Val	ATC Ile	GTC Val
FX	ACT	GCG Ala	CTG	TCT Ser	ATG Met 420	CTG	AAC Asn
	ATC Ile 355	ACC Thr	GAC Asp	ACA Thr	ACC Thr	ACC Thr 435	GTC Val
	AGG Arg	GGG Gly 370	AAT Asn	GCC Ala	GTG Val	GTC Val	ATG Met 450
	AAG Lys	GAT Asp	TTG Leu 385	ACG Thr	CTG	GAT	ACC Thr
	GAC Asp	ATG Met	CAG Gln	ATC Ile 400	GGC G1y	GAG Glu	AGG Arg
	GTG Val	AAC Asn	GCA Ala	AGT Ser	GCT Ala 415	GCC Ala	TTC
	CAG Gln 350	ATC Ile	ATT Ile	ATC Ile	CAG Gln	CCC Pro 430	CGG
	AAC Asn	ACA Thr 365	TTT Phe	ACC Thr	CCC Pro	CTG	GAC Asp 445

	SHEET 21 OF 42	1443	1491	1539	1587	1640	1674
O.G. FIG.		GTT Val	ATC Ile	66C G1y	CAG Gln		
and the second second second second second		GAT Asp 475	ACA Thr	GGA Gly	TCA Ser		
APPROVED O.G. FIG. BY CLASS SUB		ATG	TCC Ser 490	AAT Asn	ACC Thr		
Suad politimento resociate fortico ad tractor at tractor any posterior		GAG Gln	GAA Glu	GTC Val 505	GAG	91	
		GAG Glu	TTG	TAT	ACC Thr 520	AAAC AAGGAAGGAC ATTTCGTGAG	
		CTG	GCC Ala	TCT	TTC	ATTT	
	[+7]	GAG Glu 470	TTT Phe	AAG Lys	TCA	AGGAC	
	FIG. 4E	AAG Lys	CCC Pro 485	AAG Lys	ATC	AAGGA	
	FIC	AAG Lys	AAT Asn	ACC Thr 500	ACC	AAAC	GAAA
		TCC	GTG Val	GAC Asp	GAC Asp 515	ACTGG1	
		CTC	ATT Ile	TCA	Ser	AT G	AGGAAZ
		AAG Lys 465	AAC Asn	GAC Asp	AAG Lys	TAGGGCCCCT GGCTGCAGAT GACTGG	TT AF
		GAA Glu	GTC Val 480	GAA Glu	GAC Asp	T GGC	ACGGC
		GTG Val	GAA Glu	AAC Asn 495	GTA Val	ರಿದಿದಿ	A AAC
		ATT Ile	TCT	GAC Asp	GCA Ala 510	TAGG	AG'ICATCTCA AACACGGCTT AAGGAAAAGA
		GG 3 G1 Y	TCA Ser	CTT Leu	TTT Phe	TTC Phe 525	AGILC

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FIG. 5A

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MEKSNETNGLYDSAQAGPAAGPGAPGTAAGRARRCARFLRRQALVLLTWSGWLAGAGLGAALR.GL MTKSNGEEPRMGSRMTRFQQGVRKRTLLAKKKVQNITKEDVKSYLFRNAFVLLTWSAWIVGTILGFALRPY. MASTEGANNMPKQVEVRMHDSHLSSEEPKHRNLGMRMCDKLGKNLLLSLTWFGWILGAVCGGLLRLAA MGKPARKGCDSKRFLKNNWLLLS.TWVAWVLGIVIGVLVREYS	SLSRTQVTYLAFPGEMLLRMLRVIILPLVVCSLVSQAASLDASCLQRLGGIRVAYFGL.TTLSASALAVALAFI KMSYREVKYFSFPGELLMRMLQVLVLPLIISSLVTGMAALDSKASGKMGM.RAVVYYMTTIIAVVIGIIIVII PIHPDVVMLIAFPGDILMRMLKVLILPLIISSLITGLSGLDAKASGRLGT.RAMVYYMSTTIIAAVLGVILVLA NLSTLDKFYFAFPGEILMRMLKLVILPLIIVSSMITGVAALDSNVSGKIGL.RAVLYYFCTTIIAVILGIVLVVS	TKPGSGAQTLQSSDLGLEDSGPPVPKETVDSFLDLARNLFPSNLVVAAFRTYATDYKVVTONSS\$ THPGKGT.KENMYREGKIVOVTAADAFLDLIRNMFPPNLVEACFKQFKTSYEKRSFKVPIQANETLLG THPGNPKLKKQLGPGKKNDEVSSLDAFLDLIRNLFPENLVQACFOQIQTVTKKVLVAPPS.EEANTTK TKPGVTQKVDEIDRTGSTPEVSTVDAMLDLIRNMFPENLVQACFQQYKTTREEVTASDDTGKNGTE	denvihekipigteiegmnilglvlfalvlgvalkklgsegedlirffnslneatvvlvsw avinnvgeametltrireemvpvpgsvn.gvnalglvvfsmcfgfvignmkeoggalreffdslneaivrlvav avislinetmneapeetkivikkglefkdgmnvlgligffiafgiamgkmgvaggadggvlomserdchevsdm esvtavmttavsfnrtkeyrvvglysdginvlglivfclvfglvigkmgekggilvdffnalsdatvkivol	IMWYVPVGIMFLVGSRIVEMKDIIVLVTSLGKYIFASILGHVIHGGIVLPLIYFVFTRKNPFRFLLGLLAPFAT IMWYAPLGILFLIAGKILEMEDMGVIGGOLAMYTVTVIVGLLIHAVIVLPLIYFLVTRKNPWVFIGGLLQALIT DHVVFPAGIACLICGKIIAIKDLEVVAROLGMYMITVIVGLIIHGGIFLPLIYFVVTRKNPFSFFAGIFQAWIT IMCYMPLGILFLIAGKIIEVEDWEIF.RKLGLYMVTVLSGLAIHSIVILPLIYFIVVRKNPFRFAMGMTQALLT	AFATCSSSATLPSMMKCIEENNGVDKRISRFILPIGATVNMDGAAIFQCVAAVFIAGLNNIELNAGQIFGILVT ALGTSSSSATLPITFKCLEENNGVDKRITRFVLPVGATINMDGTALYEALAAIFIAGVNNFDLNFGQIITISIT ALGTASSAGTLPVTFRCLEDNLGIDKRVTRFVLPVGATINMDGTALYEAVAAIFIAGMNGVILDGGQIVTVSLT ALMISSSSATLPVTFRCAEEKNRVDKRITRFVLPVGATINMDGTALYEAVAAVFIAGLNDMDLSIGQIITISVT
ASCT1 GLAST1 GLT1 EAAC1	66 72 69 43	130	205 212 209 182	265 285 283 254	339 350 357 327

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FIG. 5B

SHEET 23 OF 42

ATASSVGAAGVPAGGVLTIAIILEAIGLPTHDLPLILAVDWIVDRTTTVVNVEGDALGAGILHMLNOKATKKGE	QELAEVKVEAI PNCKSEEETSPLVTHQNPAGPVASAPELESKESVL 532
ATAASIGAAGIPOAGLVTMVIVLTSVGLPTDDITLIIAVDWFLDRLRTTTNVLGDSLGAGIVEHLSRHELKNRD	VEMGNSVIEENEMKKPYQLIAQDNEPEKPVADSETKM 543
ATLASIGAASIPSAGLVTMLLILTAVGLPTEDISLLVAVDWLLDRMRTSVNVVGDSFGAGIVYHLSKSELDTID	SQHRMHEDIEMTKTQSVYDDTKNHRESNSNQCVYAAHNSVVIDECKVTLAANGKSADCSVEEEPWKREK 573
ATAASIGAAGVPOAGLVTMVIVLSAVGLPAEDVTLLIAVDWLLDRFRTVVNVLGDAFGTGIVEKLSKKELEQMD	VSSEVNIVNPFALESATLDNEDSDTKKSYINGGFAVDKSDTISFTQTSQF 524
413	487
433	507
431	505
401	475

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FIG. 6A

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L-Ala L-Ser	r L-Cys	L-Lys	n-Glu	L-Lys L-Glu MAIB	L-Ala L-Ser L-Cys	L-Cys
L-Ala (Na-free)	5nA L					

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O.G. FIG. OLASS SUBCL	Section of the sectio
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FIG. 6B

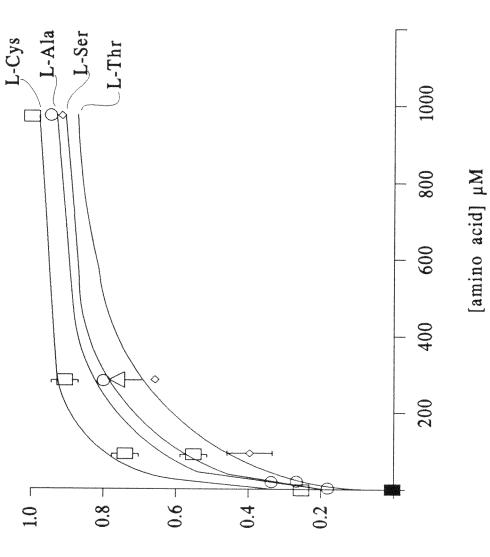
SHEET 25 OF 42

L-Alanine (µM)



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FIG. 6C



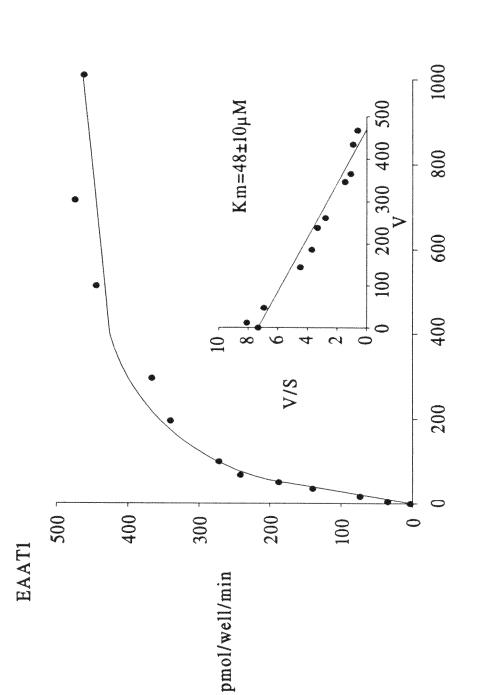
normalized

current



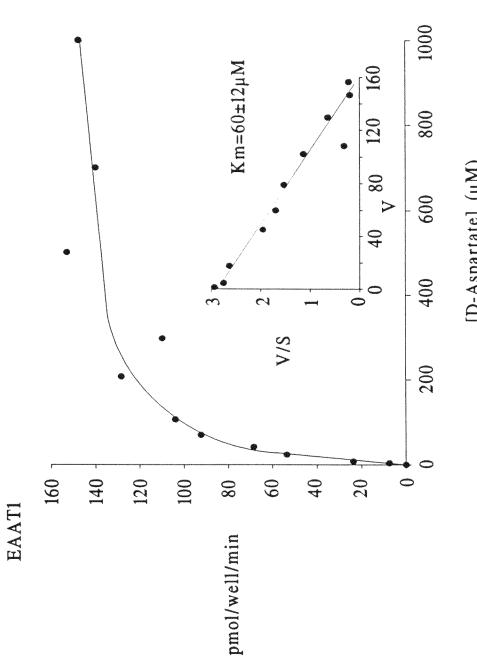
7A	
FIG. 74	

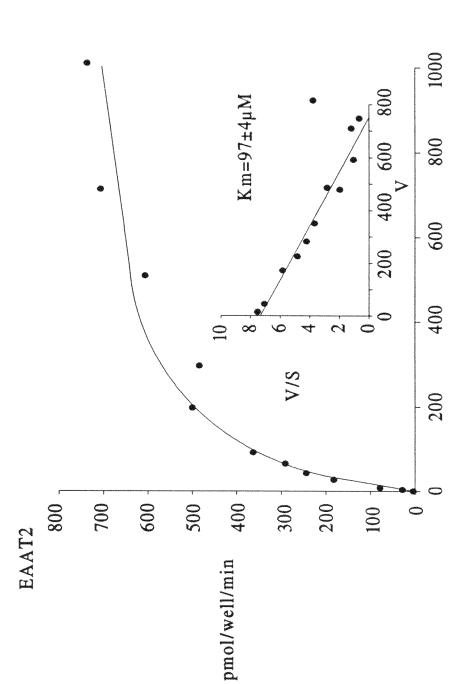
SHEET 27 OF 42



[L-Glutamate] (µM)

SHEET 28 OF 42





[L-Glutamate] (µM)

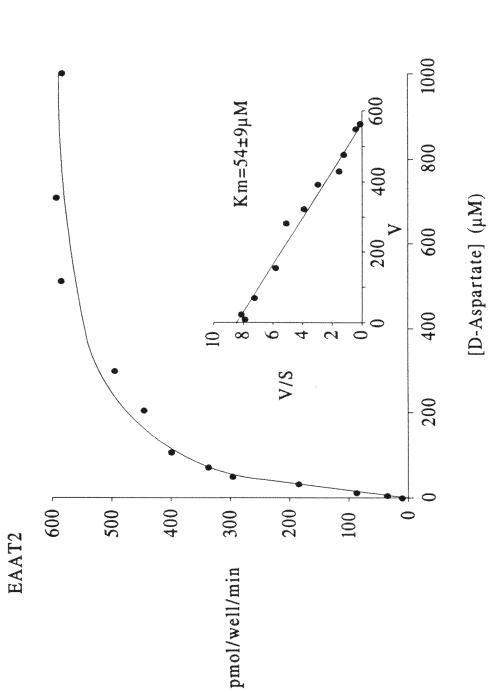
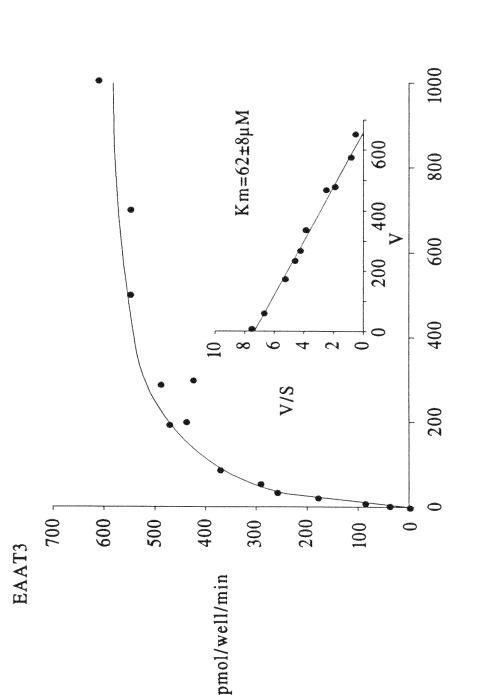




FIG. 7E

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[L-Glutamate] (µM)

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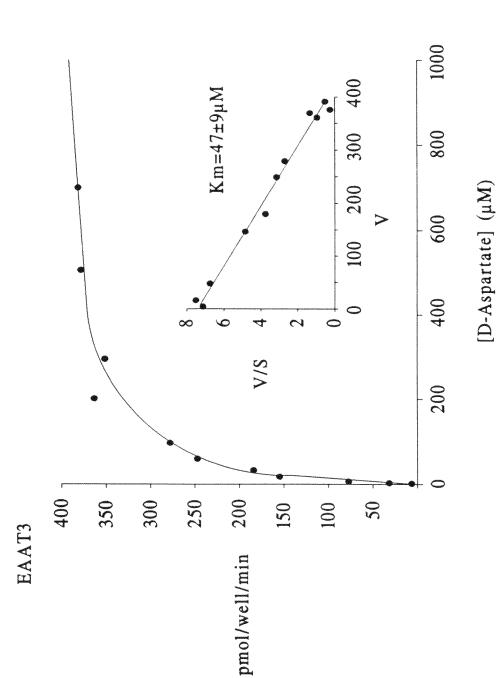




FIG. 8A

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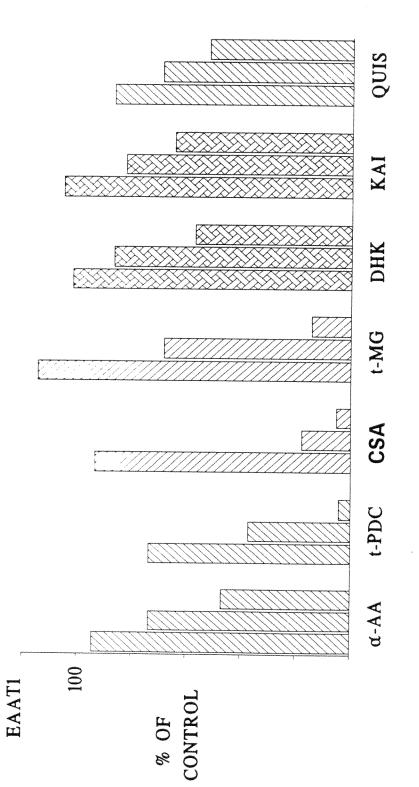




FIG. 8B

SHEET 34 OF 42

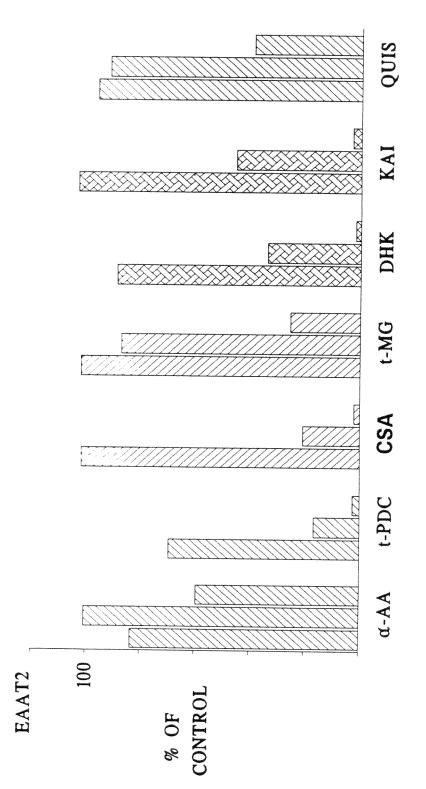
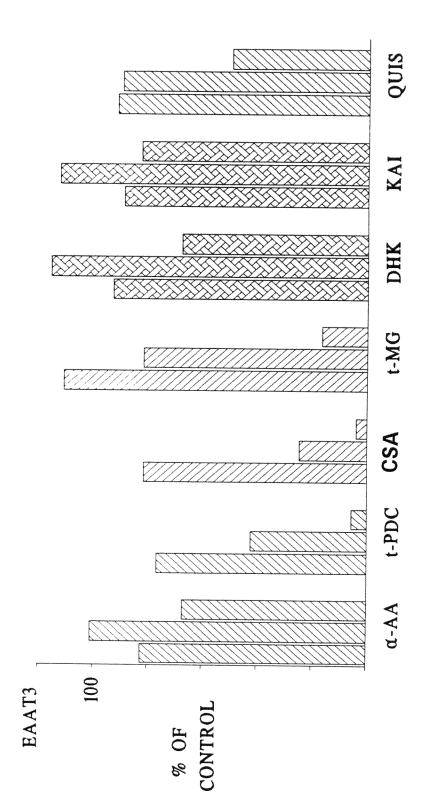


FIG. 8C

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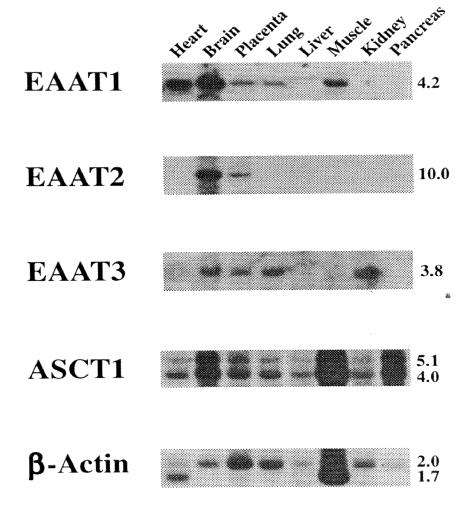


Figure 9



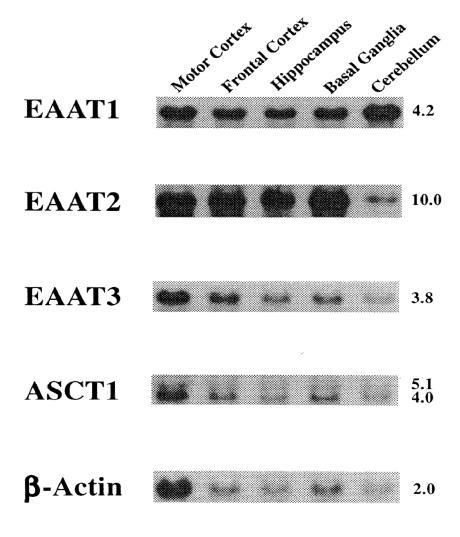


Figure 10

APPROVED O.G. FIG.
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FIG. 11

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12 MASTEGANNMPKQVEVRMPDSHLGSEE#KHRMLGLRLCDKLGKNLLLTLTVFGVTLGAVCGGLLRLAS MGKFARKGCPSWKRFLKNNWVLLS.TVAAVVLGITTGVLVREHS RMSYREVKYESFPGELIMRMLOMLVLPLIISSLVIIGMAALDSKASGKMGMRAVVYYMTITIIAVVIGIIIVII DISTLEKFYFAFPGEILMRMIKLIILPLIISSMITGVAALD&D/SGKIGLRAVVYYFGTTLIAVILGIVLVVSI HPGKGT KENMHREGKIVRVTAADAFLDLIRNMFPPNLVEACFKQFKTGYEKRSFKVPIQANBTLVGAVIMNIS HPGNPKLKKQLGPGKKNDEVSSLDAFLDLIRNLFPENLVQACFQQIQTVTKKVLVAPPPDEEANATSAEVSLL KPGVTQKVGEIARTGSTPEVSTVDAMLDLIRNMFPENLVQACFQQVKTKRFEV..KPPSDPFNUMTEESFTAVM EAMETLTRITEELVPVPGSVN. GVNALGIVVFSMCFGFVIGNMKEQGQALREFFDSINEAIMRLVAVIMWYAPE ETVTEVPETKMVIKKGLEFKDGMNVLGLIGFFIAFGIAMGKMGDQAKLMVDFFNILNEIVMKLVIMIMWYSPL TTAISKOKTKEYKIVGMYS..DGINVLGLIVECLVFGLVIGKMGEKGQILVDFFNALSDATMKIVQIIMCVMPL PIMPDVVMLIAFPGDIIMRMLKMLILPLIISSLITGLSGLDAKASGRLGTRAMVYYMSTTIIAAVLGVILVLAI GILFLIAGKIVEMEDMGVIGGQLAMYTVTVIVGLLIHAVIVLPLLYFLVTRKNPWVFIGGLLQALITALGTSSS GIACLICGKIIAIKDLEVVARQLGMYMVTVIIGLIIHGGIFLPLIYFVVTRKNPFSLFAGIFQAWITALGTASS GILFLIAGKIIEVEDWFIF. RKLGLYMATVLTGLAIHSIVILPLIYFIVVRKNPFRFAMGMAQALLTALMISSS SATLPITEKCLEENNGVDKRVTRFVLPVGATINMDGTALYEALAAIFIAQVNNFELNFGQIITISITATAASIG AGTLPITFKCLEENLGIDKRVTRFVLPVGATINMDGTALYEAVAAIFIAQMNGVVLDGGQIVTVSLTATLASVG SATLPITFKCAEENNOVDKRITRFVLPVGATINMDGTALYEAVAAVFIAQLNDLDLGIGQIITISITATSASIG MTKSNGEEPKMGGRMERFQQGVRKRTLLAKKKVQN)TKKOVKSYLFGNPFVLL..TVTAVIVGI.LGFILRPY 8 EAAT2 69 146 143 118 EAAT1 EAAT3 217 190 292 366 385 291 261

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FIG. 11A

AAGI PQAGLVTMVIVLTSVGLPTDDITLIIAVDW FLDRLRTTTNVLGDSLGAGIVEHLSRHELKNRDVEMGNSV AASIPSAGLVTMLLILTAVGLPTEDISLLVAVDWLLDRMRTSVNVVGDSFGAGIVYHLSKSELDTIDSQMRVHE AAGVPQAGLVTMVIVLSAVGLPAEDVTLIIAVDWLLDRFRTMVNVLGDAFGTGIVEKLSKKELEQMDVSSEVNI 440 439 408

DIEMTKTQS TODMKNHRESNSNQCVY AAHNSVIVDECKVTLAANGKSADCSVEEEPWKREK VNPFALEST LONEDSDTKKSYVNGGFAVDKSDTISFTQTSQF 525

IENEMKKPYQLIAQDOBTEKPIDSETKM 542

514 513 482

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FIG. 12A

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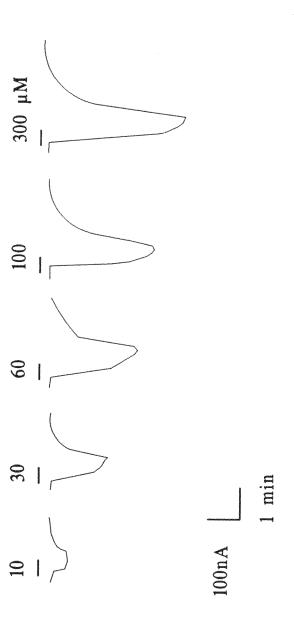
(Na-free)
L-Cys L-Glu 1000 нМ L-Ala L-Ser D-Glu L-Asp 100 µM T min Eg-1

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FIG. 12B

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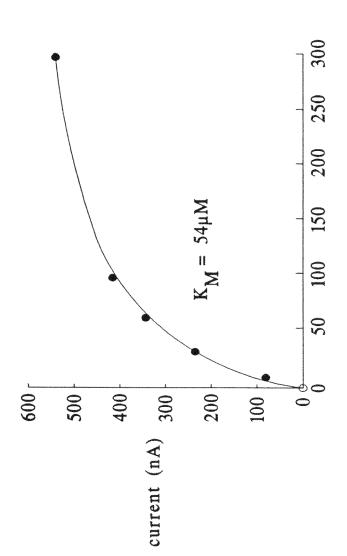


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FIG. 12C

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[L-glutamate] µM